

ABSTRACT OF THE DISCLOSURE

A 3D image reproduction apparatus including a display and an optical system is described. The display includes a screen on which a plurality of pixels are arranged to display synthesis parallax images in units of arrayed sub regions. Each of the pixels includes three sub pixels that differ in color, and the sub pixels are laid out so that adjacent sub pixels differ in color. The optical system arranged in front of the screen of the display, forms a 3D image from synthesis parallax images displayed on the screen in units of arrayed sub regions.